

IN THE CLAIMS

Please amend the claims as follows.

1. (Previously Presented) A continuously variable transmission for transmitting a rotation of a primary pulley to a secondary pulley through a drive belt and continuously changing a speed ratio between the pulleys, the continuously variable transmission comprising:

a fan blade provided to at least one of said primary pulley and said secondary pulley;

a case rotatably accommodating said one of the pulleys;

a shroud wall formed about a circumference of said one of pulleys, and

a scroll surface formed on said shroud wall and said case about a circumference of said one of the pulleys, wherein

a clearance in a radial direction of said one of pulleys between an outermost end of said fan blade and said scroll surface increases with a rotational direction of said fan blade.

2. (Original) A continuously variable transmission according to claim 1, further comprising:

an intake port for introducing the cooling air into said case; and

an exhaust port for exhausting the cooling air therefrom,

wherein the intake and exhaust ports are formed in said case.

3. (Previously Presented) A continuously variable transmission according to claim 1, further comprising:

an unidirectional airflow plate provided in said case and making unidirectional the cooling air introduced onto said scroll surface to said rotational direction of said fan blade.

4. (Previously Presented) A continuously variable transmission according to claim 3, wherein said unidirectional airflow plate is attached onto said scroll surface along said rotational direction of said fan blade.

5. (Previously Presented) A continuously variable transmission according to claim 1, wherein said clearance gradually increases over about a quarter of said one of pulleys.

6. (Previously Presented) A continuously variable transmission according to claim 1, further comprising:

an intake region for intaking a cooling air into said fan blade, wherein said clearance gradually increases from said intake region.

7. (Previously Presented) A continuously variable transmission according to claim 6, further comprising:

an intake port for introducing said cooling air into said case, wherein said intake port is formed near said intake region.

8. (Previously Presented) A continuously variable transmission according to claim 1, further comprising:

a discharge region for discharging a cooling air from said fan blade, wherein

said clearance gradually increases toward said discharge region.

9. (Canceled)

10. (Previously Presented) A continuously variable transmission according to claim 1, wherein said scroll surface is formed on an inner surface of said case.

11. (Previously Presented) A continuously variable transmission according to claim 1, wherein said scroll surface is formed along where said one of pulleys and said drive belt contact to each other.

12. (Previously Presented) A continuously variable transmission according to claim 1, wherein said shroud wall is arranged independently from an inner surface of said case extending along said circumference of said one of pulleys.

13. (Previously Presented) A continuously variable transmission according to claim 1, further comprising an intake port for introducing a cooling air into said case, wherein said shroud wall is arranged near said intake port.

14. (Previously Presented) A continuously variable transmission according to claim 1, wherein said shroud wall extends out from an inner surface of said case in forming said scroll surface.

15. (Previously Presented) A continuously variable transmission according to claim

1, wherein said shroud wall has a base provided on an interior surface of said case and a free end.

16. (Previously Presented) A continuously variable transmission according to claim 1, wherein said shroud wall and case represent a combination that is monolithic.

17. (Previously Presented) A continuously variable transmission according to claim 1, wherein said shroud wall curves about said one of the pulleys so as to extend within an interior region of a loop path defined by said belt.

18. (Previously Presented) A continuously variable transmission according to claim 1, wherein an interior surface of said case extends to opposite sides of said shroud wall so as to have said shroud wall increase an amount of scroll surface conformance to a rotation travel path of an outer surface of said one of the pulleys.

19. (Previously Presented) A continuously variable transmission according to claim 1, wherein said shroud wall extends radially inward relative to an interior surface of said case.

20. (Currently Amended) A continuously variable transmission according to claim 11 wherein said shroud wall has a curvature which follows along a region of said one of the pulleys which region includes a first [[a]] sub-region wherein said pulley is in contact with the said drive belt and a second sub-region wherein said pulley is free contact with said drive belt.